

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Spring 2010 Levee Inspection Results**

Knights Landing Ridge Drainage District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Knights Landing Ridge Drainage District

Waterway			Bank	Unit Miles
Unit No. 01 Knights Landing Ridge Cut			Right	6.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2010 - 4/6/2010			
DWR Inspector	John Williamson			
Accompanied By	Chad Navarrot RD 108			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Knights Landing Ridge Drainage District

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut					Right	6.43	04/06/2010 04/06/2010	John Williamson

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.26	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, no stability issues, clays and silts, 0.06 ft/s [2009 SiteID:KLR_0-2_R]	38.722261 ° -121.666350 °	38.718939 ° -121.663858 °	11
2	0.02	6.12	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.719286 ° -121.664246 °	38.789512 ° -121.722790 °	1
3	0.02	6.41	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.719286 ° -121.664246 °	38.792371 ° -121.726533 °	2
4	0.23	1.59	Earthen Levee	Crown Surface / Depressions / Rutting	CR	U	Add appropriate gravel or road base. Grade and compact.	38.721919 ° -121.666156 °	38.735158 ° -121.683861 °	5 Y
5	0.69	0.69	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.726448 ° -121.672062 °	38.726448 ° -121.672062 °	934 Y
6	1.16	1.16	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.730265 ° -121.678982 °	38.730265 ° -121.678982 °	3
7	1.36	1.36	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.732418 ° -121.681292 °	38.732418 ° -121.681292 °	4
8	1.62	1.62	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.735505 ° -121.684298 °	38.735505 ° -121.684298 °	935
9	1.69	1.69	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.736200 ° -121.684970 °	38.736200 ° -121.684970 °	9
10	1.73	2.70	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	38.736795 ° -121.685337 °	38.748358 ° -121.694820 °	6
11	1.75	1.75	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.736998 ° -121.685652 °	38.736998 ° -121.685652 °	936
12	3.14	3.14	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.755229 ° -121.694394 °	38.755229 ° -121.694394 °	937
13	6.17	6.41	Earthen Levee	Encroachments	LS	M	Equipment	38.790007 ° -121.723308 °	38.792433 ° -121.726463 °	7 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Knights Landing Ridge Drainage District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.43	04/06/2010 04/06/2010	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.23
End Levee Mile	1.59
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
ruts 6" are deeper	
johngw_s_20100406_110.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.23
End Levee Mile	1.59
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
additional spots ruts 6" or deeper	
johngw_s_20100406_111.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.69
End Levee Mile	0.69
Location	Land Side
Category	Earthen Levee
Item	Animal Control
squirrel holes landside	
johngw_s_20100316_018.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Knights Landing Ridge Drainage District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.43	04/06/2010 04/06/2010	John Williamson

Levee Mile Report Line	13
Start Levee Mile	6.17
End Levee Mile	6.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments

equipment on levee slope

johngw_s_20100316_017.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Knights Landing Ridge Drainage District

Waterway			Bank	Unit Miles
Unit No. 02 Knights Landing Ridge Cut			Left	6.14
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2010 - 4/6/2010			
DWR Inspector	John Williamson			
Accompanied By	Chad Navarrot RD 108			

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Knights Landing Ridge Drainage District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut						Left	6.14	04/06/2010 04/06/2010	John Williamson

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements. Inspector Comments: KLDD unit 2 behind new housing tract at outfall gates on Sycamore Slough adopted levee no levee miles assigned	38.796364 ° -121.727730 °	38.799150 ° -121.724446 °	2 Y
2			Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements. Inspector Comments: KLDD unit 2 behind new housing tract at the outfall gates on Sycamore Slough Adopted levee no levee miles assigned	38.796364 ° -121.727729 °	38.799148 ° -121.724449 °	3 Y
3	0.69	0.75	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.730015 ° -121.675337 °	38.730602 ° -121.676190 °	5 Y
4	0.81	0.99	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.731110 ° -121.677023 °	38.732994 ° -121.679244 °	944 Y
5	0.81	0.99	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.731113 ° -121.677021 °	38.732996 ° -121.679238 °	943 Y
6	0.87	6.01	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.731701 ° -121.677771 °	38.792367 ° -121.723700 °	7
7	0.95	0.95	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.732577 ° -121.678772 °	38.732577 ° -121.678772 °	4 Y
8	1.43	1.43	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.738139 ° -121.684028 °	38.738139 ° -121.684028 °	8
9	2.24	2.24	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.747646 ° -121.692485 °	38.747646 ° -121.692485 °	945
10	2.29	6.01	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.748466 ° -121.692694 °	38.792365 ° -121.723701 °	6
11	2.74	2.96	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, no stability issues, clays and silts, 0.11 ft/s [2009 SiteID:KLR_3-0_L]	38.757925 ° -121.693047 °	38.754900 ° -121.692653 °	11
12	3.01	3.08	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, tree hazards and holes, clays and silts, 0.11 ft/s [2009 SiteID:KLR_3-1_L]	38.759431 ° -121.694036 °	38.758586 ° -121.693358 °	12
13	3.35	3.97	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.762362 ° -121.697247 °	38.770357 ° -121.701281 °	940
14	4.01	4.09	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 10 ft berm, 2:1 slope, slumping, clays and silts, 0.09 ft/s [2009 SiteID:KLR_4-2_L]	38.771917 ° -121.701811 °	38.770883 ° -121.701475 °	13

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Levee Inspections**

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Knights Landing Ridge Drainage District

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut					Left	6.14	04/06/2010 04/06/2010	John Williamson

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	4.39	6.03	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, slumping, clays and silts, 0.08 ft/s [2009 SiteID:KLR_5-3_L]	38.792561 ° -121.724003 °	38.775825 ° -121.703772 °	14
16	6.05	6.12	Earthen Levee	Encroachments	LS	CO	Crops Inspector Comments: no access; strawberries are being grown landside levee slope and crown	38.792735 ° -121.724092 °	38.792735 ° -121.724092 °	1

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Levee Inspections**

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Unit No. 02 Knights Landing Ridge Cut	Left	6.14	04/06/2010 04/06/2010	John Williamson

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Land Side
Category	Earthen Levee
Item	Vegetation
vegetation taller than 12"	
johngw_s_20100405_102.jpg	



Levee Mile Report Line	2
Start Levee Mile	
End Levee Mile	
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Vegetation taller than 12"	
johngw_s_20100405_101.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.69
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Vegetation
remove willows	
johngw_s_20100316_020.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Knights Landing Ridge Drainage District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.14	04/06/2010 04/06/2010	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.81
End Levee Mile	0.99
Location	Water Side
Category	Earthen Levee
Item	Vegetation

weeds taller than 12" need to mow

johngw_s_20100316_022.jpg



Levee Mile Report Line	5
Start Levee Mile	0.81
End Levee Mile	0.99
Location	Land Side
Category	Earthen Levee
Item	Vegetation

same for landside

johngw_s_20100316_021.jpg



Levee Mile Report Line	7
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Water Side
Category	Earthen Levee
Item	Vegetation

remove and spray willows

johngw_s_20100316_019.jpg



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